

DIVERSION

DESIGN AND CHECK DATA REQUIREMENTS

The following items must be documented for the diversion:

Survey Data

1. Plan view of system layout
2. Slope of each design reach
3. Length of each reach and total length
4. Type and location of outlet

Design Data

1. PA Utility Act compliance
2. Peak discharge calculation
3. Soil, vegetation, lining
4. Velocities, dimensions
5. Lining or mulching requirements
6. Lime, fertilizer, seeding requirements
7. Operation & maintenance plan

Construction Check Data

1. Profile of channel and ridge (only one required if in a system)
2. One cross section per reach at most restrictive station
3. Length
4. Outlet conditions
5. Seeding performed